

=> d his

(FILE 'HOME' ENTERED AT 18:19:15 ON 05 APR 2004)

FILE 'CA, BIOSIS, MEDLINE' ENTERED AT 18:19:35 ON 05 APR 2004

L1 79530 S HYPOTENSION?
L2 2450 S ?METHYLCYSTEINE?
L3 4 S L1 AND L2

=>

Refine Search

Search Results -

Term	Documents
(2 AND 1).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3
(L1 AND L2).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L3

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Monday, April 05, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> <u>Query</u> side by side	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<u>L3</u> 11 and 12	3	<u>L3</u>
<u>L2</u> alkythiol or ethylcystein or methylcysteine or methylcysteamine or ethylcysteamine or ethylglutathione or methylglutathione or methylcoenzyme a or ethylcoenzyme a	386	<u>L2</u>
<u>L1</u> hypotension	8827	<u>L1</u>

END OF SEARCH HISTORY

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTAU188MXM

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	25	MAR 03	FRANCEPAT now available on STN
NEWS	26	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS	27	MAR 29	WPIFV now available on STN
NEWS	28	MAR 29	No connect hour charges in WPIFV until May 1, 2004
NEWS	29	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS EXPRESS			MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
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Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:19:15 ON 05 APR 2004

=> file ca, biosis, medline
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'CA' ENTERED AT 18:19:35 ON 05 APR 2004

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FILE 'BIOSIS' ENTERED AT 18:19:35 ON 05 APR 2004

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FILE 'MEDLINE' ENTERED AT 18:19:35 ON 05 APR 2004

=> s hypotension?

L1 79530 HYPOTENSION?

=> methylcysteine?

METHYLCYSTEINE? IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s ?methylcysteine?

L2 2450 ?METHYLCYSTEINE?

=> s l1 and l2

L3 4 L1 AND L2

=> d 1-4 ab,bib

L3 ANSWER 1 OF 4 CA COPYRIGHT 2004 ACS on STN

AB A method of inhibiting the actions of S-nitrosothiols and nitric oxide which often occur in conditions such as septic shock, chronic or acute pain syndromes, uterine hypotonus, or certain gastrointestinal disorders. The method involving inhibiting the cellular binding of S-nitrosothiols to their cellular receptors or the signal transduction that would result. This is accomplished by administering an S-alkylthiol such as S-methyl-L-cysteine or S-ethyl-L-cysteine to a patient as an antagonist of S-nitrosothiol.

AN 138:19498 CA

TI S-methylcysteine, S-ethylcysteine, and related S-alkylthiols as antagonists to the effects of S-nitrosothiols and nitric oxide

IN Bates, James N.; Lewis, Stephen J.

PA USA

SO U.S. Pat. Appl. Publ., 10 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 2002187137 A1 20021212 US 2001-879710 20010612
 WO 2002100811 A1 20021219 WO 2002-US18499 20020611
 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO,
 CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
 HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
 LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
 YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 PRAI US 2001-879710 A 20010612

L3 ANSWER 2 OF 4 CA COPYRIGHT 2004 ACS on STN

AB This study examined whether S-nitroso- β,β - **dimethylcysteine** (S-nitrosopenicillamine; SNPEN) may activate stereoselective S-nitrosothiol receptors within the vasculature. We examined 1) the hemodynamic effects produced by the L- and D-isomers of SNPEN (12.5-400 nmol/kg i.v.), the L- and D-isomers of the parent thiols [L- and D-penicillamine (PEN); 12.5-400 nmol/kg i.v.], and the nitric oxide (NO) donors sodium nitroprusside (SNP; 1-10 μ g/kg i.v.) in conscious rats; 2) the hemodynamic effects produced by these compds. in urethane-anesthetized rats; and 3) the relative decomposition of L- and D-SNPEN to NO on addition to rat blood or cultured porcine aortic smooth muscle (PASM) cells. We found that 1) L-SNPEN was a more potent hypotensive and vasodilator agent within the mesenteric bed and within sympathetically intact and sympathetically denervated hindlimb beds of conscious rats than was D-SNPEN; 2) the **hypotension** and vasodilation produced by L-SNPEN was similar in conscious and anesthetized rats, whereas the effects of D-SNPEN and SNP were augmented by urethane-anesthesia; 3) L- and D-PEN did not affect hemodynamic parameters in conscious or anesthetized rats; and 4) L- and D-SNPEN decomposed equally to NO on addition to rat blood or PASM cells. These results suggest that the vasodilator effects of SNPEN involve the interaction of this S-nitrosothiol with stereoselective recognition sites within the vasculature and that urethane alters the mechanisms by which L- and D-SNPEN relax vascular smooth muscle.

AN 127:314551 CA

TI Hemodynamic effects of L- and D-S-nitroso- β,β - **dimethylcysteine** in rats

AU Travis, Mark D.; Davisson, Robin L.; Bates, James N.; Lewis, Stephen J.

CS Cardiovascular Cent. and Dep. of Pharmacol., Univ. of Iowa, Iowa City, IA, 52242, USA

SO American Journal of Physiology (1997), 273(3, Pt. 2), H1493-H1501

CODEN: AJPHAP; ISSN: 0002-9513

PB American Physiological Society

DT Journal

LA English

L3 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AB This study examined whether S-nitroso-beta,beta-**dimethylcysteine** (S-nitrosopenicillamine; SNPEN) may activate stereoselective S-nitrosothiol receptors within the vasculature. We examined 1) the hemodynamic effects produced by the L- and D-isomers of SNPEN (12.5-400 nmol/kg iv), the L- and D-isomers of the parent thiols (L- and D-penicillamine (PEN); 12.5-400 nmol/kg iv), and the nitric oxide (NO) donor sodium nitroprusside (SNP; 1-10 μ -g/kg iv) in conscious rats; 2) the hemodynamic effects produced by these compounds in urethan-anesthetized rats; and 3) the relative decomposition of L- and D-SNPEN to NO on addition to rat blood or cultured porcine aortic smooth muscle (PASM) cells. We found that 1) L-SNPEN was a more potent hypotensive and vasodilator agent within the mesenteric bed and within sympathetically intact and sympathetically denervated hindlimb beds of conscious rats than was D-SNPEN; 2) the **hypotension** and vasodilation produced by L-SNPEN was similar in conscious and anesthetized

rats, whereas the effects of D-SNPEN and SNP were augmented by urethan-anesthesia; 3) L- and D-PEN did not affect hemodynamic parameters in conscious or anesthetized rats; and 4) L- and D-SNPEN decomposed equally to NO on addition to rat blood or PASM cells. These results suggest that the vasodilator effects of SNPEN involve the interaction of this S-nitrosothiol with stereoselective recognition sites within the vasculature and that urethan alters the mechanisms by which L- and D-SNPEN relax vascular smooth muscle.

AN 1997:483633 BIOSIS
DN PREV199799782836
TI Hemodynamic effects of L- and D-S-nitroso-beta,beta-
dimethylcysteine in rats.
AU Travis, Mark D.; Davisson, Robin L.; Bates, James N.; Lewis, Stephen J.
[Reprint author]
CS Dep. Pharmacol., 2-272 Bowen Science Build., Univ. Iowa, Iowa City, IA
52242, USA
SO American Journal of Physiology, (1997) Vol. 273, No. 3 PART 2, pp.
H1493-H1501.
CODEN: AJPHAP. ISSN: 0002-9513.
DT Article
LA English
ED Entered STN: 7 Nov 1997
Last Updated on STN: 10 Dec 1997

L3 ANSWER 4 OF 4 MEDLINE on STN
AB This study examined whether S-nitroso-beta,beta-**dimethylcysteine**
(S-nitrosopenicillamine; SNPEN) may activate stereoselective
S-nitrosothiol receptors within the vasculature. We examined 1) the
hemodynamic effects produced by the L- and D-isomers of SNPEN (12.5-400
nmol/kg iv), the L- and D-isomers of the parent thiols [L- and
D-penicillamine (PEN); 12.5-400 nmol/kg iv], and the nitric oxide (NO)
donor sodium nitroprusside (SNP; 1-10 micrograms/kg iv) in conscious rats;
2) the hemodynamic effects produced by these compounds in
urethan-anesthetized rats; and 3) the relative decomposition of L- and
D-SNPEN to NO on addition to rat blood or cultured porcine aortic smooth
muscle (PASM) cells. We found that 1) L-SNPEN was a more potent
hypotensive and vasodilator agent within the mesenteric bed and within
sympathetically intact and sympathetically denervated hindlimb beds of
conscious rats than was D-SNPEN; 2) the **hypotension** and
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rats, whereas the effects of D-SNPEN and SNP were augmented by
urethan-anesthesia; 3) L- and D-PEN did not affect hemodynamic parameters
in conscious or anesthetized rats; and 4) L- and D-SNPEN decomposed
equally to NO on addition to rat blood or PASM cells. These results
suggest that the vasodilator effects of SNPEN involve the interaction of
this S-nitrosothiol with stereoselective recognition sites within the
vasculature and that urethan alters the mechanisms by which L- and D-SNPEN
relax vascular smooth muscle.

AN 97463058 MEDLINE
DN PubMed ID: 9321842
TI Hemodynamic effects of L- and D-S-nitroso-beta,beta-
dimethylcysteine in rats.
AU Travis M D; Davisson R L; Bates J N; Lewis S J
CS Cardiovascular Center, University of Iowa, Iowa City 52242, USA.
NC HL-14388 (NHLBI)
SO American journal of physiology, (1997 Sep) 273 (3 Pt 2) H1493-501.
Journal code: 0370511. ISSN: 0002-9513.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199710
ED Entered STN: 19971105
Last Updated on STN: 19971105